

## UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							DATE <b>February 2000</b>																																														
BUDGET ACTIVITY <b>7 - Operational System Development</b>				PE NUMBER AND TITLE <b>1001018A NATO Joint STARS</b>				PROJECT <b>C35</b>																																													
COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost																																												
C35 NATO Alliance Ground Surveillance System (AGS) - TIARA	2784	0	0	0	0	0	0	0	10038																																												
<p><b>A. Mission Description and Budget Item Justification:</b> The United States is a major participant in a cooperative venture to select and procure a ground surveillance capability for NATO forces. Initial efforts to evaluate various potential solution sets for the NATO Alliance Ground Surveillance System (NAGS) commenced in May 1995. A NAGS Project Office was established at SHAPE Technical Center (STC) and will continue to operate until the final NAGS configuration is selected. Under this PE/Project, the Army will conduct and support interoperability experimentation and demonstrations between the Joint Surveillance Target Attack Radar System (Joint STARS) Ground Station and various Allied weapon systems. These funds are to be used for the US Advanced Radar System (ARS) system requirements analysis, system design and interoperability demonstrations with the US CGS systems involving the principle NATO participants.</p> <p><b>FY 1999 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>• 152 NATO Command, Control and Consultation Agency (NC3A) Support</li> <li>• 2632 US Advanced Radar Sensor (ARS) (NATO Version of the US Enhanced Radar)</li> </ul> <p>Total 2784</p> <p><b>FY 2000 Planned Program:</b> Project not funded in FY 2000</p> <p><b>FY 2001 Planned Program:</b> Project not funded in FY 2001</p>																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><b>B. Program Change Summary</b></th> <th style="text-align: center;"><u>FY 1999</u></th> <th style="text-align: center;"><u>FY 2000</u></th> <th style="text-align: center;"><u>FY 2001</u></th> </tr> </thead> <tbody> <tr> <td>Previous President's Budget (FY 2000/2001 PB)</td> <td style="text-align: right;">2980</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Appropriated Value</td> <td style="text-align: right;">3000</td> <td></td> <td></td> </tr> <tr> <td>Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> </tr> <tr> <td>a. Congressional General Reductions</td> <td style="text-align: right;">-20</td> <td></td> <td></td> </tr> <tr> <td>b. SBIR / STTR</td> <td style="text-align: right;">-78</td> <td></td> <td></td> </tr> <tr> <td>c. Omnibus or Other Above Threshold Reduction</td> <td></td> <td></td> <td></td> </tr> <tr> <td>d. Below Threshold Reprogramming</td> <td style="text-align: right;">-106</td> <td></td> <td></td> </tr> <tr> <td>e. Rescissions</td> <td style="text-align: right;">-12</td> <td></td> <td></td> </tr> <tr> <td>Adjustments to Budget Years Since FY 2000/2001 PB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Current Budget Submit (FY 2001 PB)</td> <td style="text-align: right;">2784</td> <td style="text-align: right;">0</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>										<b>B. Program Change Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	Previous President's Budget (FY 2000/2001 PB)	2980	0	0	Appropriated Value	3000			Adjustments to Appropriated Value				a. Congressional General Reductions	-20			b. SBIR / STTR	-78			c. Omnibus or Other Above Threshold Reduction				d. Below Threshold Reprogramming	-106			e. Rescissions	-12			Adjustments to Budget Years Since FY 2000/2001 PB				Current Budget Submit (FY 2001 PB)	2784	0	0
<b>B. Program Change Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>																																																		
Previous President's Budget (FY 2000/2001 PB)	2980	0	0																																																		
Appropriated Value	3000																																																				
Adjustments to Appropriated Value																																																					
a. Congressional General Reductions	-20																																																				
b. SBIR / STTR	-78																																																				
c. Omnibus or Other Above Threshold Reduction																																																					
d. Below Threshold Reprogramming	-106																																																				
e. Rescissions	-12																																																				
Adjustments to Budget Years Since FY 2000/2001 PB																																																					
Current Budget Submit (FY 2001 PB)	2784	0	0																																																		
Project C35				Page 1 of 2 Pages		Exhibit R-2 (PE 1001018A)																																															

**UNCLASSIFIED**

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							DATE February 2000																																																																										
BUDGET ACTIVITY 7 - Operational System Development				PE NUMBER AND TITLE 1001018A NATO Joint STARS				PROJECT C35																																																																									
<p><b>C. <u>Other Program Funding Summary</u></b></p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 1999</u></th> <th><u>FY 2000</u></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>FY 2005</u></th> <th>To <u>Compl</u></th> <th>Total <u>Cost</u></th> </tr> </thead> <tbody> <tr> <td>BA1080 Joint STARS (TIARA)</td> <td>82326</td> <td>94818</td> <td>66415</td> <td>20941</td> <td>0</td> <td>10779</td> <td>6261</td> <td>Continue</td> <td>Continue</td> </tr> <tr> <td>BS9724 Joint STARS Spares</td> <td>5894</td> <td>6131</td> <td>6179</td> <td>6864</td> <td>4367</td> <td>0</td> <td>0</td> <td>0</td> <td>57721</td> </tr> <tr> <td>64770/D202 Joint Stars(TIARA)</td> <td>5316</td> <td>25676</td> <td>17898</td> <td>17713</td> <td>12833</td> <td>14372</td> <td>11527</td> <td>Continue</td> <td>Continue</td> </tr> </tbody> </table> <p><b>D. <u>Acquisition Strategy:</u></b> All hardware has been procured. The concept definition effort was awarded to the CGS contractor based on their extensive knowledge of the system and their continuous involvement in the NATO program. This is a Sole Source FFP type contract. Participation in the concept definition is vital to ensure US Government and Army mandates are satisfied and to protect US interests in the development of the full AGS program plan. Once approved by NATO, the participating nations will share in the full cost of the AGS system acquisition.</p> <p><b>E. <u>Schedule Profile</u></b></p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 1999</u></th> <th><u>FY 2000</u></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>FY 2004</u></th> <th><u>FY 2005</u></th> </tr> </thead> <tbody> <tr> <td>Complete Architectural Study</td> <td>4Q*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Conduct Systems Requirements Analysis</td> <td>4Q*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Complete Tests and Demonstrations</td> <td>4Q*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>*Denotes completed milestone</p>											<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>	BA1080 Joint STARS (TIARA)	82326	94818	66415	20941	0	10779	6261	Continue	Continue	BS9724 Joint STARS Spares	5894	6131	6179	6864	4367	0	0	0	57721	64770/D202 Joint Stars(TIARA)	5316	25676	17898	17713	12833	14372	11527	Continue	Continue		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	Complete Architectural Study	4Q*							Conduct Systems Requirements Analysis	4Q*							Complete Tests and Demonstrations	4Q*						
	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>																																																																								
BA1080 Joint STARS (TIARA)	82326	94818	66415	20941	0	10779	6261	Continue	Continue																																																																								
BS9724 Joint STARS Spares	5894	6131	6179	6864	4367	0	0	0	57721																																																																								
64770/D202 Joint Stars(TIARA)	5316	25676	17898	17713	12833	14372	11527	Continue	Continue																																																																								
	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>																																																																										
Complete Architectural Study	4Q*																																																																																
Conduct Systems Requirements Analysis	4Q*																																																																																
Complete Tests and Demonstrations	4Q*																																																																																
<div>Project C35</div> <div>Page 2 of 2 Pages</div> <div>Exhibit R-2 (PE 1001018A)</div>																																																																																	